

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 2-4 in accordance with the following:

1. (ORIGINAL) A monitor for an injection molding machine, comprising:
sampling means for detecting, at every predetermined cycle, a variable varying in one molding cycle in an injection molding process and storing the detected variable; and
means for graphically displaying the variable for a plurality of molding cycles, with a first axis representing time, a second axis representing said variable and a third axis representing the number of molding cycles.

2. (CANCELLED)

3. (CANCELLED)

4. (CANCELLED)

5. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein the sampling means is provided in the injection molding machine.

6. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein the sampling means is outside the injection molding machine and connected to the injection molding machine.

7. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein said graphically displaying means is provided in the injection molding machine.

8. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein said graphically displaying means is outside the injection molding

machine and connected to the injection molding machine.

9. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein said variable is a difference between a sampled variable and a reference variable which is a variable in a specific molding cycle.

10. (PREVIOUSLY PRESENTED) The monitor for an injection molding machine according to claim 1, wherein the variable varying in one molding cycle in the injection molding process includes one of injection pressure, injection velocity, a screw position, screw rotation speed, backpressure, motor torque, a mold opening/closing position/speed, an ejector position/speed, and temperatures of a cylinder or a nozzle.